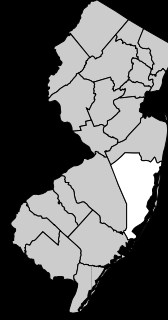


Ocean County



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Bayville Russo Gas

399 Route 9

Berkeley Township

Ocean County

BLOCK: 882.14 **LOT:** 72

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Auto Repair
OPERATION STATUS: Active

PROPERTY SIZE: 0.16 Acre

SURROUNDING LAND USE: Residential/Commercial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Alternate Water Supply Provided

Soil

Volatile Organic Compounds

Partially Removed/Investigating

Petroleum Hydrocarbons

FUNDING SOURCES









Corporate Business Tax

AMOUNT AUTHORIZED

\$81,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site is a former gasoline service station that currently operates as an auto repair facility. It has been identified as a possible source of the ground water contamination in the Brooks Avenue area of Berkeley Township, where ten private potable wells were determined to be contaminated with benzene and dichloroethane (DCA) at levels exceeding New Jersey Drinking Water Standards in 1993. Berkeley Township subsequently extended public water lines to the Brooks Avenue area using funds provided by NJDEP. A preliminary investigation by NJDEP's Remedial Response Element in the late 1990s revealed the soil and ground water at Bayville Russo Gas were contaminated with gasoline-related compounds, including benzene. NJDEP directed the Potentially Responsible Parties for the site to investigate the extent of the contamination and take appropriate remedial measures, but they did not comply. The Remedial Response Element conducted an Immediate Environmental Concern (IEC) source removal in 2002 that entailed emptying all four underground gasoline storage tanks, removing one and excavating and disposing of 56 tons of contaminated soil. The remaining underground tanks and the contaminated soil and ground water will be addressed in future actions.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M
IEC Source Removal				
		Planned		Underway
		Completed		Not Required

Beachwood & Veeder Avenues Well Contamination

Beachwood & Veeder Avenues

Dover Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Mercury

STATUS

Confirmed

Potable Water

Volatile Organic Compounds
Mercury

Treating

FUNDING SOURCES

1986 Bond Fund
Corporate Business Tax

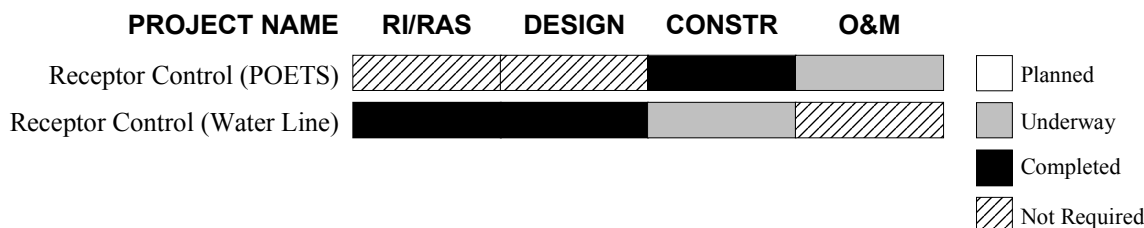
AMOUNT AUTHORIZED

\$10,000
\$951,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted in 1996 pursuant to Ocean County's real estate transfer regulations identified seven private potable wells in this area that were contaminated with mercury at levels exceeding the New Jersey Drinking Water Standard. NJDEP's Remedial Response Element conducted additional sampling between 1997 and 1998 that identified fourteen potable wells in the area that were contaminated with volatile organic compounds at levels exceeding Drinking Water Standards. The primary volatile organic contaminants were trichloroethylene (TCE) and tetrachloroethylene (also known as perchloroethylene, or PCE). Point-of-Entry Treatment (POET) systems were installed on the wells with funds provided by NJDEP as an interim measure to supply potable water for the residents. The Remedial Response Element subsequently delineated the Currently Known Extent (CKE) of the potable well contamination and completed a water supply alternatives analysis that concluded installation of public water lines to the properties within the CKE was the most cost-effective long-term remedy. The local water purveyor completed construction of the water lines in 2001 using funds provided by NJDEP. Connection of the residences to the water lines and sealing of the wells is underway and expected to be completed in 2003. Approximately 70 residences will be connected to the water line when the project is complete.

NJDEP completed a source investigation in 2000 that concluded the volatile organic contamination at the Beachwood and Veeder Avenues site may have migrated from the North Gilford Park Ground Water Contamination Area, which is located three tenths of a mile to the southwest. The origin of the mercury contamination was not identified during the source investigation.



Denzer & Schafer X-Ray Company

Hickory Lane

Berkeley Township

Ocean County

BLOCK: 858 **LOT:** 46A

CATEGORY: Superfund
State Lead

TYPE OF FACILITY: Metal Reclamation
OPERATION STATUS: Inactive

PROPERTY SIZE: 5 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Metals

STATUS

Levels Not of Concern/Monitoring

FUNDING SOURCES

Superfund
1986 Bond Fund
General State Fund

AMOUNT AUTHORIZED

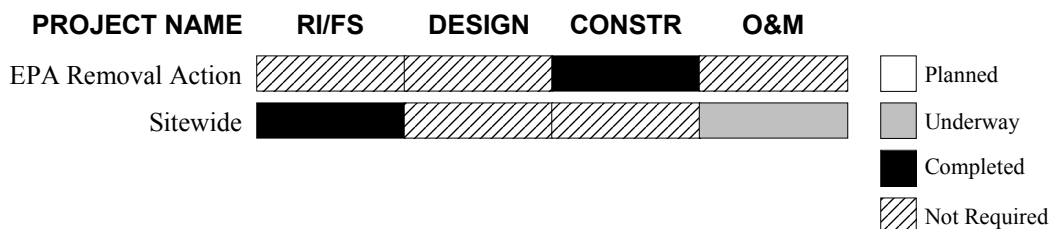
\$1,300,000
\$3,000
\$556,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Denzer & Schafer X-Ray Company formerly operated a silver reclamation facility at this site. The industrial process entailed using caustic chemical solutions to strip silver from x-ray film. Between 1974 and 1981, the facility discharged its process waste water to an underground septic system. NJDEP ordered the facility to cease the discharge to the septic system in 1981 and required the owner to install monitor wells to determine whether ground water quality at the site had become degraded due to past discharges. Sampling of the monitor wells confirmed that the underlying shallow aquifer was contaminated with volatile organic compounds and metals. Due to the potential for the contamination to migrate downward and affect domestic and public water supply wells in the area, USEPA added the Denzer & Schafer facility to the National Priorities List (NPL) of Superfund sites in 1983.

Between 1987 and 1995, NJDEP's Remedial Response Element conducted a Remedial Investigation and Feasibility Study (RI/FS) to delineate the contamination in the soil and ground water and evaluate cleanup alternatives. The RI/FS revealed that the volatile organic contamination detected in the ground water early in the investigation had largely dissipated due to natural biodegradation and attenuation. The RI/FS also revealed that the metals contamination in the ground water did not pose a risk to any private or public wells. Sampling of the surface and subsurface soils across the site and surface water from a ponded area did not indicate contamination above levels of concern. In 1995, NJDEP issued a Record of Decision (ROD) with USEPA concurrence that called for no action at the site except for monitoring. Under the no action with monitoring remedy, there will be no remedial action to address the residual ground water contamination; however, monitoring of the ground water, surface water and sediments would be conducted for a period of at least five years to ensure the concentrations of contaminants in these media remain below levels of concern. The ROD also required establishment of a ground water Classification Exception Area (CEA) at the site to ensure that proper precautions are taken if any new potable wells are installed at the property.

Shortly after the ROD was signed, the owner of the Denzer & Schafer company abandoned the facility and left drums of hazardous materials inside the process building and in a storage trailer that was parked on site. USEPA disposed of the drums of hazardous materials during a Removal Action in 1996 and a private party interested in developing the area subsequently demolished and disposed of the building. USEPA removed the Denzer & Schafer site from the NPL in 1998. NJDEP is periodically monitoring environmental conditions at the site pursuant to the requirements of the ROD.



Exxon Service Station Lakehurst Borough

Route 70 & Eisenhower Circle

Lakehurst Borough

Ocean County

BLOCK: 31 **LOT:** 1

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Gasoline Service Station
OPERATION STATUS: Inactive

PROPERTY SIZE: 1 Acre

SURROUNDING LAND USE: Commercial/Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Treating

Soil

Volatile Organic Compounds

Partially Removed/Treating

FUNDING SOURCES

Spill Fund

1986 Bond Fund

Hazardous Discharge Site Cleanup Fund

Corporate Business Tax

AMOUNT AUTHORIZED

\$991,000









\$19,000





\$430,000

\$118,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site operated as a service station between the early 1950s and 1985. Several of the underground gasoline storage tanks at the site leaked, contaminating the soil and ground water and forcing Lakehurst Borough to take two of its nearby municipal supply wells out of service. NJDEP's Remedial Response Element implemented an Interim Remedial Measure (IRM) in 1986 that entailed excavating and disposing of the tanks and approximately 400 cubic yards of contaminated soil, and installing a free-product recovery system to remove gasoline product that was floating on the water table. In 1988, NJDEP installed a ground water remediation system to remove the dissolved gasoline from the ground water. The two municipal wells were restored to service after the ground water remediation system established hydraulic control of the contaminant plume. Sampling of the on-site monitor wells conducted in 1995 showed that the ground water was free of contamination except at one area where subsurface soil contamination remains. NJDEP installed an air sparging/soil vapor extraction system at the site in 1997 to treat the residual soil contamination in this area and improve the performance of the ground water treatment system. NJDEP is operating and maintaining the ground water treatment and air sparging/soil vapor extraction systems and periodically sampling the ground water at the site to evaluate the effectiveness of the remedial actions.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M
IRM-Recovery Well				
Soil & Ground Water Remediation				

 Planned
 Underway
 Completed
 Not Required

Fuelmart Incorporated

Route 571

Jackson Township

Ocean County

BLOCK: 46.02 **LOT:** 1

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Gasoline Service Station
OPERATION STATUS: Inactive

PROPERTY SIZE: 0.3 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Delineated

Soil

Volatile Organic Compounds

Partially Removed/Delineated

Air

Gasoline Vapors

Abated

FUNDING SOURCES

Spill Fund

1986 Bond Fund

Corporate Business Tax

AMOUNT AUTHORIZED

\$6,000


















\$34,000

\$130,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

A leaking underground storage tank at this site caused the soil and ground water to become contaminated with gasoline. The contamination became evident in 1992 when gasoline vapors from the site migrated through the soil to a nearby property and caused an outdoor well pit to explode. NJDEP made emergency modifications to the pumping system of the well pit to reduce the explosion hazard. The private potable well at the service station and other nearby properties were subsequently sampled and found to be free of gasoline-related compounds. The service station owner later removed one leaking underground fuel storage tank from the property but left the other underground tanks in place. The service station ceased operations in 1993.

In 1996, NJDEP's Remedial Response Element began a Remedial Investigation and Remedial Action Selection (RI/RAS) to delineate the contamination in the soil and ground water at the site and evaluate cleanup alternatives. NJDEP removed the remaining underground storage tanks and completed delineation of soil contamination in 1999. The results of the RI indicate there are elevated levels of gasoline compounds present in the ground water but little off-site migration. NJDEP is reevaluating the priority of the site for cleanup action based on the results of the RI.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Vapor Abatement					 Planned
UST Removal					 Underway
Sitewide					 Completed
					 Not Required

Harborage Avenue & Dockage Road Ground Water Contamination

Harborage Avenue & Dockage Road

Berkeley Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Alternate Water Supply Provided

FUNDING SOURCES

Spill Fund






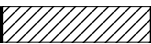

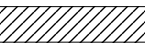



AMOUNT AUTHORIZED

\$116,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Ocean County Health Department in 1991 identified ten private potable wells in this neighborhood that were contaminated with chlorinated volatile organic compounds at levels exceeding New Jersey Drinking Water Standards. The primary contaminants were dichloroethylene (DCE), trichloroethylene (TCE) and tetrachloroethylene (also known as perchloroethylene, or PCE). Point-of-Entry Treatment (POET) systems were installed on the wells with funds provided by NJDEP as an interim measure to supply potable water for the residents. In 1995, NJDEP provided the Township with funds to extend public water lines to the homes as a permanent remedy. Five additional contaminated private potable wells were discovered in this neighborhood in 2000 and public water lines were subsequently extended to these homes.

In 2002, NJDEP completed an investigation that identified contaminated soil on Harborage Avenue as the most likely source of the volatile organic contamination affecting private potable wells in the area. The contamination is beneath the street in front of a private residence.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Line)					 Underway
					 Completed
					 Not Required

James H. James Landfill

Schoolhouse Road

Brick Township

Ocean County

BLOCK: 1422 **LOT:** 13, 14 & 19

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Landfill
OPERATION STATUS: Inactive

PROPERTY SIZE: 19 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED
Air

CONTAMINANTS
Methane

STATUS
Monitoring

FUNDING SOURCES

Sanitary Landfill Contingency Fund

AMOUNT AUTHORIZED

\$104,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Originally a sand and gravel pit, a private company operated this site as a permitted solid waste landfill between 1975 and 1987. Household, commercial and agricultural wastes and other nonhazardous materials were disposed of in the landfill during this period. After landfilling activities ceased, the operator capped the site and installed a landfill gas collection system and methane flare to treat the methane and other gases produced by the decomposition of the buried wastes. The operator also implemented a 30-year post closure plan that included monitoring landfill gases in the subsurface soil at the perimeter of site and ground water quality in the immediate area.

In the 1990s, a developer purchased land directly adjacent to the James Landfill and built homes on the properties. Several of the homeowners whose properties abutted the landfill later discovered buried trash on their properties. NJDEP's Remedial Response Element excavated test pits around the landfill in 2000 and confirmed the presence of uncapped buried trash at five residences on Blenheim Drive. NJDEP subsequently installed landfill gas monitoring wells at ten properties on this street to determine whether the buried trash was producing methane or other hazardous landfill gases at levels that might present a danger to the residents. Sampling of the landfill gas monitoring wells at the residential properties has consistently shown concentrations of methane gas that are below levels of concern. NJDEP is periodically sampling the landfill gas monitoring wells to evaluate methane production and ensure the safety of the nearby residents.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M
Landfill Gas Monitoring				

Planned

Underway

Completed

Not Required

Nicoletti Road Ground Water Contamination

Nicoletti & Ridgeway Roads & Johnson Avenue

Manchester Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Mercury

STATUS

Confirmed

Potable Water

Mercury

Alternate Water Supply Provided

FUNDING SOURCES








Spill Fund

AMOUNT AUTHORIZED

\$25,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Ocean County Health Department in 1994 identified 12 private potable wells in this area that were contaminated with mercury at levels exceeding the New Jersey Drinking Water Standard for this metal. The source of the contamination is unknown. Point-of-Entry Treatment (POET) systems were installed on the wells with funds provided by NJDEP as an interim measure to supply potable water for the residents. The Township subsequently extended public water lines to the area as a permanent remedy. Service connections and a portion of the connection fees for the affected homes were funded by NJDEP. Additional investigative work is planned to identify possible sources of the ground water contamination at this site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M
Receptor Control (POETS)				
		Planned		
		Underway		
		Completed		
		Not Required		

North Maple Avenue Ground Water Contamination

North Maple Avenue

Dover Township

Ocean County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Alternate Water Supply Provided

FUNDING SOURCES









Spill Fund

AMOUNT AUTHORIZED

\$54,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by the Ocean County Health Department in 1993 identified five private potable wells in this area that were contaminated with volatile organic compounds at levels exceeding New Jersey Drinking Water Standards. The primary contaminants are benzene, dichloroethane (DCA), trichloroethane (TCA) and dichloroethylene (DCE). The source of the contamination is unknown. NJDEP connected the affected residences to public water lines in 1994. Additional investigative work is planned to identify possible sources of the ground water contamination at the site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (Water Line)					 Planned
					 Underway
					 Completed
					 Not Required

South Brunswick Asphalt

Gladney Avenue

Berkeley Township

Ocean County

BLOCK: 824 **LOT:** 1

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Asphalt Production/Recycling
OPERATION STATUS: Active

PROPERTY SIZE: 142 Acres

SURROUNDING LAND USE: Residential/Commercial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Semi-Volatile Organic Compounds

STATUS

Delineating

Soil

Volatile Organic Compounds
Semi-Volatile Organic Compounds

Delineating

FUNDING SOURCES

Corporate Business Tax
Hazardous Discharge Site Cleanup Fund

AMOUNT AUTHORIZED

\$845,000
\$150,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

South Brunswick Asphalt makes asphalt and recycles asphalt wastes, concrete and tree stumps. The Beachwood Plaza shopping center is northeast of the site and a gravel pit is southwest of the site. Since 1983, a large quantity of coal tar emulsion wastes mixed with sand and gravel has been stockpiled at an unpaved and unbermed outdoor area at the site. Other environmental concerns include an inactive landfill, abandoned drums, three waste oil lagoons and discarded electrical transformers. Preliminary sampling by NJDEP in the early 1990s confirmed that the soil and ground water at the property were contaminated with volatile organic compounds and semi-volatile organic compounds. A private water company supply well located 1,500 feet east of the site was closed in 1999 due to benzene contamination, but the source of this contamination has not been determined.

NJDEP's Remedial Response Element began a Remedial Investigation/Remedial Action Selection (RI/RAS) in 1999 to delineate the contamination in the soil and ground water and evaluate cleanup alternatives. NJDEP expects to complete the RI phase in 2003 and will use the findings to select final remedial actions for the site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M
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Sitewide				
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☐ Planned
☐ Underway
☐ Completed
☐ Not Required

Stafford Township Landfill

Recovery Road

Stafford Township

Ocean County

BLOCK: 25
13 **LOT:** 61&93
68

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Sanitary Landfill
OPERATION STATUS: Inactive

PROPERTY SIZE: 123 Acres (total)

SURROUNDING LAND USE: Industrial/Commercial

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Volatile Organic Compounds
Metals

Confirmed

Soil

Volatile Organic Compounds
Metals

Potential

Air

Methane

Confirmed

FUNDING SOURCES

AMOUNT AUTHORIZED

Corporate Business Tax

\$265,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site consists of two separate parcels of land in the Stafford Township Business Industrial Park that were used for landfilling wastes. The smaller fill deposit is located on a 13-acre lot and received wastes between 1955 and 1970. Little is known about its operational history and actual size since it predated New Jersey's regulations for registering and permitting solid waste facilities. The larger fill deposit, which occupies 75 acres of a 110-acre lot, was operated as a registered solid waste disposal facility by Stafford Township from 1970 to 1983. This unlined landfill accepted municipal wastes, vegetative wastes, sewage treatment sludge, septage wastes and tires under two permits with the state. The facility stopped operating after it reached capacity and the Township's proposal to expand the landfill was rejected by NJDEP. The Township subsequently submitted a closure plan to NJDEP that included installation of an impermeable cover and passive methane venting system but this plan was never implemented. Sampling of the monitor wells at the site between 1990 and 2000 has sporadically indicated the presence of several metals, including lead and mercury, at levels exceeding New Jersey ground water standards. In addition, several volatile organic compounds were detected in the ground water at the site in one round of samples collected in 1995.

NJDEP's Remedial Response Element is implementing closure actions at the landfill to prevent the release of methane, a greenhouse gas, from the waste fill and mitigate the impact of landfill leachate on the environment. NJDEP is currently reviewing the landfill's history and past sampling results to obtain preliminary information for the landfill closure project. NJDEP plans to conduct an Immediate Environmental Concern Assessment at the site in 2003 to identify conditions that could present immediate threats to human health or the environment.

PROJECT NAME RI/RAS DESIGN CONSTR O&M

Sitewide

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Planned



Underway



Completed



Not Required